

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-017333**Date Inspected:** 08-Oct-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:****CWI Present:****Yes No****Inspected CWI report:** **Yes No N/A****Rod Oven in Use:** **Yes No N/A****Electrode to specification:** **Yes No N/A****Weld Procedures Followed:** **Yes No N/A****Qualified Welders:** **Yes No N/A****Verified Joint Fit-up:** **Yes No N/A****Approved Drawings:** **Yes No N/A****Approved WPS:** **Yes No N/A****Delayed / Cancelled:** **Yes No N/A****Bridge No:** 34-0006**Component:** Tower**Summary of Items Observed:**

On this day Caltrans OSM Quality Assurance (QA) Inspector Christopher D'souza was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhen Hua Port Machinery Company (ZPMC) at Chang Xing Island in Shanghai, China. QA Inspector observed and/or found the following:

Bay 7 (MT Crack Repair)

B-CWR 2006 Rev 0

This QA Inspector was notified via email for verification of B – CWR2006 R0 at 1400 hours the following was observed:

- The component for verification was identified as SA3078-008-001(little support beam)
- Weld repair was to be performed on locations where rejectable indications were found by Magnetic particle Testing (MT)
- ZPMC CWI Huang Ming was present on site to direct and record all repair work.

B-CWR 2007 Rev 0

This QA Inspector was notified via email for verification of B – CWR2007 R0 at 1400 hours the following was observed:

- The component for verification was identified as SA3077-005-001(little support beam)

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- Weld repair was to be performed on locations where rejectable indications were found by Magnetic particle Testing (MT)
- ZPMC CWI Huang Ming was present on site to direct and record all repair work.

B-CWR 2008 Rev 0

This QA Inspector was notified via email for verification of B – CWR2008 R0 at 1400 hours the following was observed:

- The component for verification was identified as SA3077-007-001(little support beam)
- Weld repair was to be performed on locations where rejectable indications were found by Magnetic particle Testing (MT)
- ZPMC CWI Huang Ming was present on site to direct and record all repair work.

B-CWR 2009 Rev 0

This QA Inspector was notified via email for verification of B – CWR2009 R0 at 1400 hours the following was observed:

- The component for verification was identified as SA3077-008-001(little support beam)
- Weld repair was to be performed on locations where rejectable indications were found by Magnetic particle Testing (MT)
- ZPMC CWI Huang Ming was present on site to direct and record all repair work.

B-CWR 2011 Rev 0

This QA Inspector was notified via email for verification of B – CWR2011 R0 at 1400 hours the following was observed:

- The component for verification was identified as SA3077-001-002 (little support beam)
- Weld repair was to be performed on locations where rejectable indications were found by Magnetic particle Testing (MT)
- ZPMC CWI Huang Ming was present on site to direct and record all repair work.

B-CWR 2012 Rev 0

This QA Inspector was notified via email for verification of B – CWR2012 R0 at 1400 hours the following was observed:

- The component for verification was identified as SA3077-004-002 (little support beam)
- Weld repair was to be performed on locations where rejectable indications were found by Magnetic particle Testing (MT)
- ZPMC CWI Huang Ming was present on site to direct and record all repair work.

B-CWR 2013 Rev 0

This QA Inspector was notified via email for verification of B – CWR2013 R0 at 1400 hours the following was observed:

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- The component for verification was identified as SA3077-006-002 (little support beam)
- Weld repair was to be performed on locations where rejectable indications were found by Magnetic particle Testing (MT)
- ZPMC CWI Huang Ming was present on site to direct and record all repair work.

B-CWR 2014 Rev 0

This QA Inspector was notified via email for verification of B – CWR2014 R0 at 1400 hours the following was observed:

- The component for verification was identified as SA3077-006-001 (little support beam)
- Weld repair was to be performed on locations where rejectable indications were found by Magnetic particle Testing (MT)
- ZPMC CWI Huang Ming was present on site to direct and record all repair work.

B-CWR 2015 Rev 0

This QA Inspector was notified via email for verification of B – CWR2015 R0 at 1400 hours the following was observed:

- The component for verification was identified as SA3077-002-002 (little support beam)
- Weld repair was to be performed on locations where rejectable indications were found by Magnetic particle Testing (MT)
- ZPMC CWI Huang Ming was present on site to direct and record all repair work.

B-CWR 2016 Rev 0

This QA Inspector was notified via email for verification of B – CWR2016 R0 at 1400 hours the following was observed:

- The component for verification was identified as SA3077-003-002 (little support beam)
- Weld repair was to be performed on locations where rejectable indications were found by Magnetic particle Testing (MT)
- ZPMC CWI Huang Ming was present on site to direct and record all repair work.

B-CWR 2017 Rev 0

This QA Inspector was notified via email for verification of B – CWR2017 R0 at 1400 hours the following was observed:

- The component for verification was identified as SA3077-005-002 (little support beam)
- Weld repair was to be performed on locations where rejectable indications were found by Magnetic particle Testing (MT)
- ZPMC CWI Huang Ming was present on site to direct and record all repair work.

B-CWR 2018 Rev 0

This QA Inspector was notified via email for verification of B – CWR2018 R0 at 1400 hours the following was

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observed:

- The component for verification was identified as SA3078-007-002 (little support beam)
- Weld repair was to be performed on locations where rejectable indications were found by Magnetic particle Testing (MT)
- ZPMC CWI Huang Ming was present on site to direct and record all repair work.

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.

Summary of Conversations:

No relevant conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 15000422372, who represents the Office of Structural Materials for your project.

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| Inspected By: | Dsouza,Christopher | Quality Assurance Inspector |
| Reviewed By: | Carreon,Albert | QA Reviewer |
